

United States Department of Agriculture  
**STATISTICS WORKSHOP V**

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*Introduction to Regression & Lack-of-Fit Analyses*

*Content:*

- Discuss the *history* and *origins* of *regression analysis*.
- Explore the *principles of good modeling*: to *describe* the data, to *reduce* the data, and to *predict* where you don't have data.
- Explore how to fit a regression line using the *method of least squares*.
- Explore how to *evaluate the fit* of the regression line by partitioning the error sums of squares and various graphical displays.

All programing done is *SAS-Analyst* - NO EXPERIENCE NECESSARY

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